

PROJECT TITLE : ETNA Evaluation

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#### Stock Situation of Expanded Tobaccos

On the list:	ET-FC	:	41600 kg
	ET-CH	:	800 kg
	ET-BU	:	-
	FC ex USA	:	8164 kg
	BUR ex USA	:	6997 kg
In Onnens:	ET-FC	:	61750 kg
	ET-CH	:	9800 kg
	ET-BU	:	2811 kg

The difference between the official stock situation and the product stored in Onnens is caused by the delay in the quality control results: it takes about 10 days after production before the tobacco is released for transfer.

#### Cigarettes

FLL and BRT cigarettes are being produced with ET-CH at the same specified weight as the cigarettes that were produced with Swiss tobacco expanded in Richmond.

MLZ and FLI cigarettes will also be produced at the specified weight, as soon as the FC tobacco expanded in Richmond is used up.

A gradual introduction of ET-FC was started in MLF (2.2%), BSB (2.2%), PMM (2.2%) and MER (3.0%), and ET-CH in NPF (2.2%) cigarettes. The distribution of ET-FC in MLF cigarettes showed an average of  $\bar{x} = 2.58$  with a standard deviation of  $s = 0.44$ . An explanation of the higher average found (2.58% instead of 2.2%) might be that some expanded stems were counted as expanded tobacco. For a 95% confidence level we need 2s, which means that 95% of the cigarettes made had an ETNA level between 1.70% and 3.46%, which is very good. A comparison of this new MLF and the production averages of November and December shows a slightly better cigarette compressibility for the new blend (Ref. 1).

#### ETNA Process

Optimalisation trials are being carried out on the equipment, and during the next few months a constant FC blend will be used, i.e. no lots will be replaced during this time.

### Leaf Trials

A list of 15 grades and 3 origins of tobaccos has been established (Ref. 2).

Three thousand kilos of 6 grades will be expanded to find the optimal conditions, and 1000 kg of similar grades will be expanded at the best condition (Ref. 3). The total tobacco volume of the trials should be around 80 tons.

A programme of the utilisation of the expanded grades is being set up.

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### References

- Ref. 1: Memo from G. Lauper to A. Zevenhuizen, February 11th, 1981 - "Introduction ETNA dans mélanges MLF"
- Ref. 2: Memo from M. Hansen to G. Karandjoulis, January 20th, 1981 "Project Library"
- Ref. 3: Memo from M. Hansen to G. Karandjoulis, February 13th, 1981 "Project Library".

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